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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



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(54) Title: **FLUORINE-CONTAINING COPOLYMER**

(57) Abstract: A fluorine-containing copolymer obtained by copolymerizing tetrafluoroethylene, hexafluoropropylene and perfluoro vinyl ether as component monomers, wherein a weight ratio of tetrafluoroethylene, hexafluoropropylene and perfluoro vinyl ether units constituting the fluorine-containing copolymer is 70 to 95 : 5 to 20 : 0 to 10, respectively; the fluorine-containing copolymer having: a melt flow rate of 30 (g/10 minutes) or more; a volatile content index of 0.2 % by weight or less; and a stress relaxation modulus $G(t)$ (unit: dyn/cm²) which satisfies the following formula at $t = 0.1$ second when measured at a temperature of 310 : $G(0.1) > 7 \sim 10 \sim X \sim 3000$ where X denotes the melt flow rate (unit: g/10 minutes). Also disclosed is an insulating material composed of the fluorine-containing copolymer and an insulated cable having a core conductor coated with the fluorine-containing copolymer.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/00331

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C08F214/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C08F214/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Japanese Utility Model Gazette 1926-1996, Japanese Publication of Unexamined Utility Model
 Applications 1971-2001, Japanese Registered Utility Model Gazette 1994-2001, Japanese Gazette
 Containing the Utility Model 1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 62-192411 A (E.I.DU PONT DE NEMOURS AND COMPANY) 1987.08.24, CLAIM 1; (FAMILY:NONE)	1-11
A	JP 9-52920 A (E.I.DU PONT DE NEMOURS AND COMPANY) 1997.02.25, CLAIM 1 & EP 759446 A1	1-11
A	JP 9-202814 A (E.I.DU PONT DE NEMOURS AND COMPANY) 1997.08.05, CLAIMS 1-3 & US 5700889 A	1-11
A	JP 59-166516 A (DAIKIN INDUSTRIES, LTD.) 1984.09.19, CLAIMS 1-3 & EP 117450 A1	1-11
A	JP 2002-535456 A (DYNEON GMBH & CO KG) 2002.10.22, CLAIMS 1-15 & EP 1165632 A1	1-11



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 58-69213 A (DAIKIN INDUSTRIES, LTD.) 1983.04.25, CLAIMS 1-3 & EP 75312 A2	1-11
A	WO 01/36504 A1 (DAIKIN INDUSTRIES, LTD.) 2001.05.25, CLAIMS 1-4 & EP 1262496 A1	1-11